



PATENT ABSTRACTS OF JAPAN

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(54) ELECTRIC PERCUTANEOUS HEART PACING METHOD AND DEVICE

(57) Abstract:

PURPOSE: To stimulate a heart of a patient while reducing stimulation to the skin or a skeletal muscle of the patient by sending out a single pulse row among plural individual pulse rows by an electrode pair different from an electrode pair to send out another single pulse row.

CONSTITUTION: An oscillating-driving circuit 40 generates a pulse flow, and an insulating circuit 50 offers the protection against an electric hazard for a patient by insulating interval voltage of a signal generator 10 from the patient. A waveform shaping circuit 60 inputs pulse row output of the insulating circuit 50, and generates pacing stimulation by changing a signal characteristic of a pulse row. Electrodes 70, and 72 give electric stimulation for percutaneous pacing of a heart to the patient. A timing control circuit 20 sets a timing characteristic of the pacing stimulation, and the pacing stimulation contains plural individual pulse rows, and at

least a single pulse row among them is sent out by an electrode pair different from an electrode pair to send out another single pulse row.

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